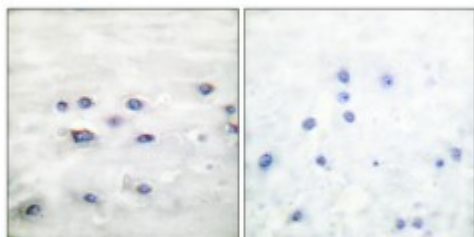


Anti-CaMKI alpha/beta/delta antibody



Description	Rabbit polyclonal to CaMKIIalpha/beta/delta.
Model	STJ91987
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human CaMKIIalpha/beta/delta around the non-phosphorylation site of T305.
Immunogen Region	240-320 aa
Gene ID	815
Gene Symbol	CAMK2A
Dilution range	IHC 1:100-1:300ELISA 1:5000
Specificity	CaMKIIalpha/beta/delta Polyclonal Antibody detects endogenous levels of CaMKIIalpha/beta/delta protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Calcium/calmodulin-dependent protein kinase type II subunit alpha CaM kinase II subunit alpha CaMK-II subunit alpha
Molecular Weight	54 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:14600MIM:114078
Alternative Names	Calcium/calmodulin-dependent protein kinase type II subunit alpha CaM kinase II subunit alpha CaMK-II subunit alpha
Function	CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity . Phosphorylates transcription factor FOXO3 on 'Ser-298' . Activates FOXO3 transcriptional activity .
Cellular Localization	Cell junction, synapse, presynaptic cell membrane Cell junction, synapse. Postsynaptic lipid rafts.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com